

IN THE CLAIMS:

Amend claims 1 and 3 and cancel claims 2 and 4.

1. (Currently amended). A process of the gasification of glass fiber reinforced plastics, comprising the steps of feeding a glass fiber reinforced plastic material to a rotatable gasification section furnace; heating the material to a temperature of ~~60-700°C~~ 650 to 750°C in the presence of oxygen and steam to gasify the plastic component thereof; recovering the remaining glass fibers; introducing the resulting plastic gas into a plastic gas decomposition section; partially oxidizing the plastic gas at a temperature of 700 to 1000°C in the presence of additional oxygen or an additional mixture of oxygen and steam; and recovering the CO and H₂ so produced.

2. (Canceled).

3. (Currently amended). A process of the gasification of glass fiber reinforced plastics, comprising the steps of feeding a glass fiber reinforced plastic material to a rotatable gasification section furnace; heating the material to a temperature of ~~60-700°C~~ 650 to 750°C in the presence of air and steam to

gasify the plastic component thereof; recovering the remaining glass fibers; introducing the resulting plastic gas into a combustion section; burning the plastic gas at a temperature of 700 to 1,000°C in the presence of additional air or an additional mixture of air and steam, and recovering generated heat.

4. (Canceled).